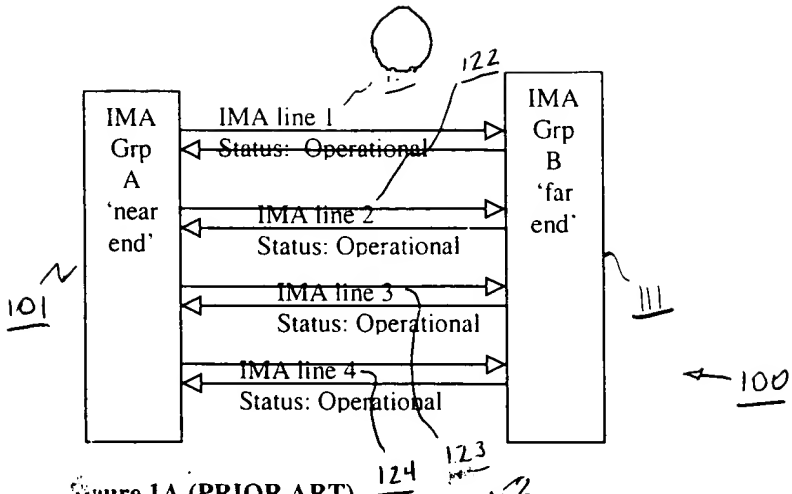


Figure 1A (PRIOR ART)

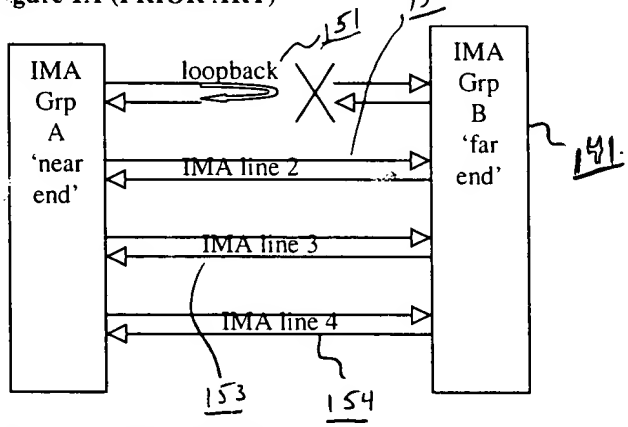


Figure 1B (PRIOR ART)

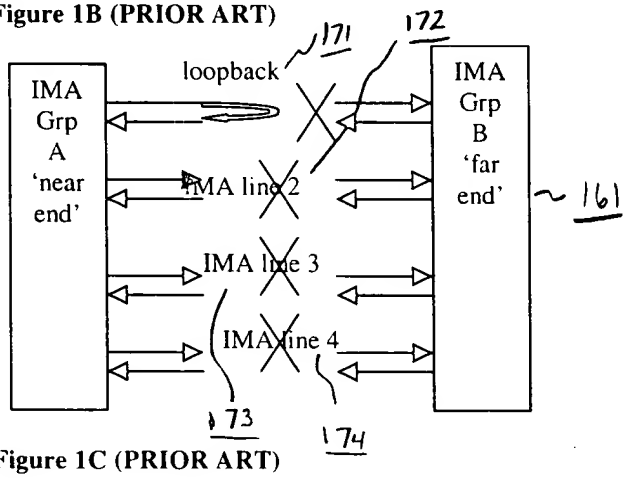
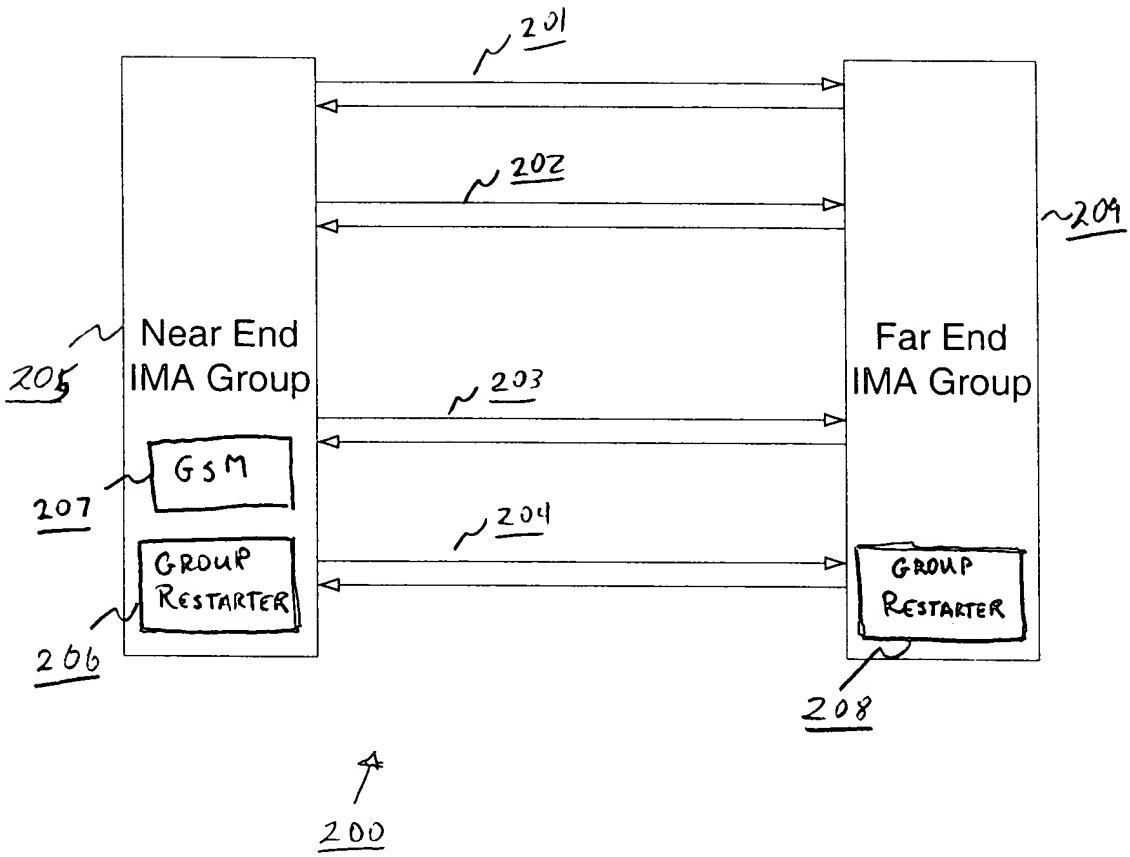


Figure 1C (PRIOR ART)

Figure 2


201
202
209
Near End
IMA Group
205
203
GSM
207
204
GROUP
RESTARTER
206
GROUP
RESTARTER
208
Far End
IMA Group
200

200

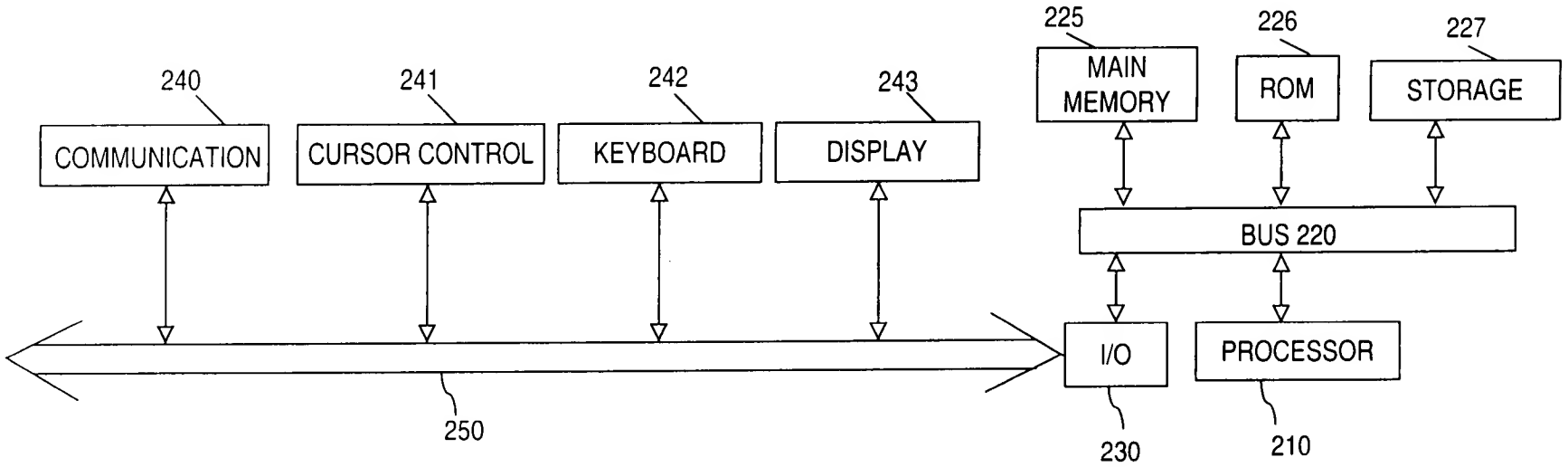

225
226
227
MAIN MEMORY
ROM
STORAGE
240
241
242
243
COMMUNICATION
CURSOR CONTROL
KEYBOARD
DISPLAY
BUS 220
I/O
PROCESSOR
250
230
210

FIG. 3

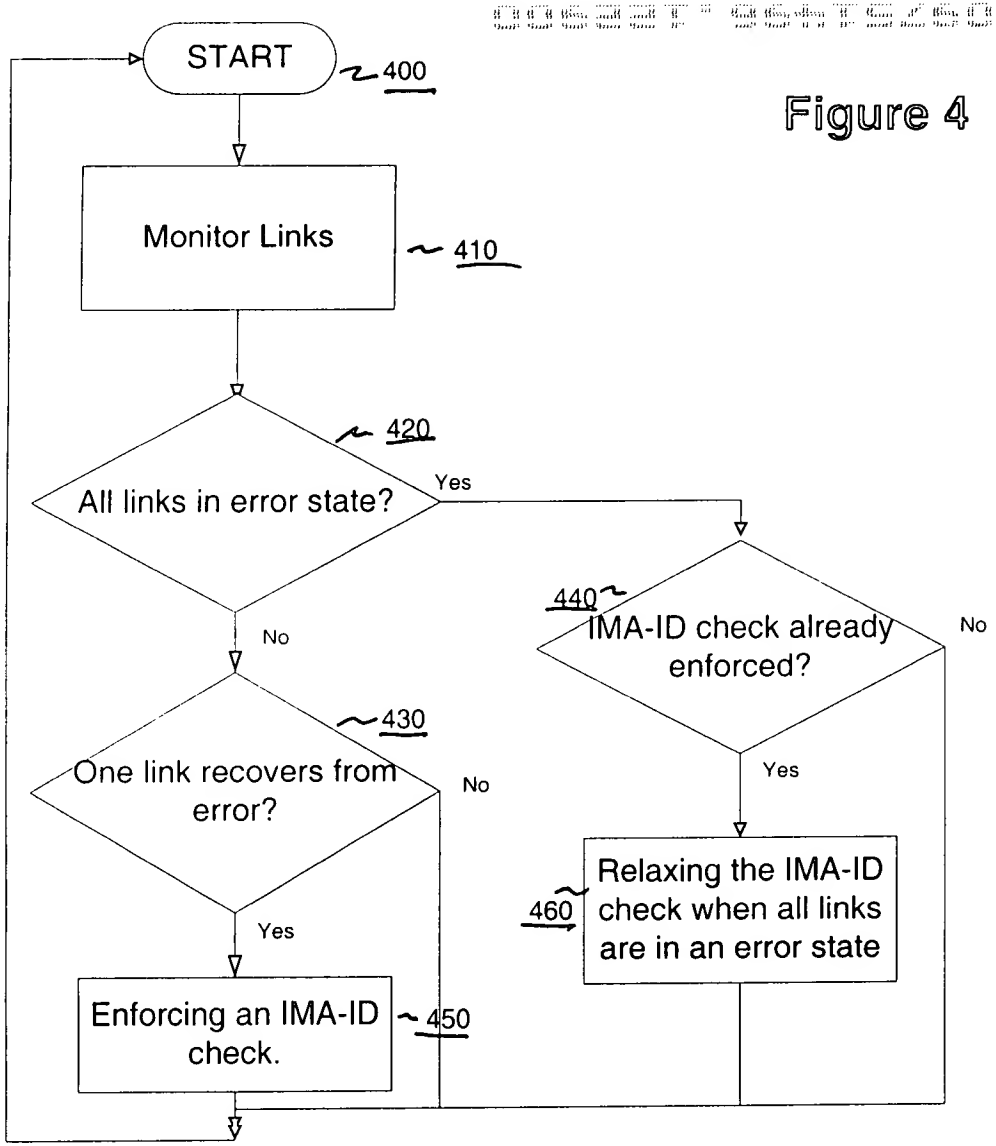

START
400
Monitor Links
410
420
All links in error state?
Yes
No
440
IMA-ID check already enforced?
No
Yes
430
One link recovers from error?
No
Yes
460
Relaxing the IMA-ID check when all links are in an error state
Enforcing an IMA-ID check.
450

Figure 4

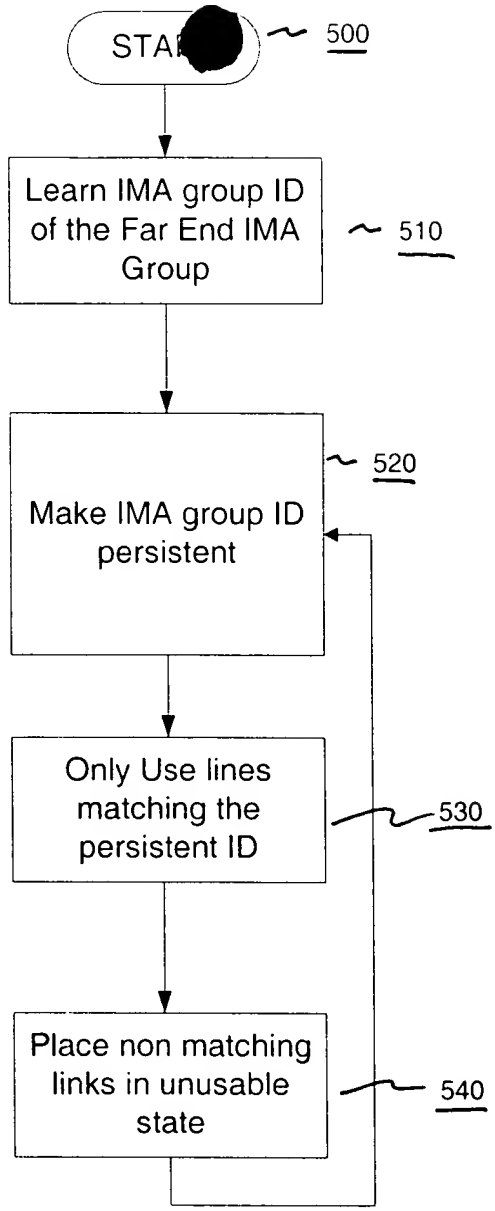

START
500
Learn IMA group ID of the Far End IMA Group
510
Make IMA group ID persistent
520
Only Use lines matching the persistent ID
530
Place non matching links in unusable state
540

Figure 5